

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions of claims in the application.

### **LISTING OF CLAIMS:**

1. (Canceled)
2. (Currently Amended) A system for improved video digitization and image correction, said system comprising:
  - a plurality of workstations coupled to a communications medium; and
  - a remote management unit coupled to said communications medium, said remote management unit including ~~a video digitizer~~ an LCD controller ~~[[for]]~~ converting analog video signals ~~to digital video signals, said analog video signals~~ received from at least one of a plurality of remote networking devices ~~to image correction processed digital video signals,~~ the remote management unit including modules for processing and transmitting control signals to and from the plurality of workstations and transmitting the image correction processed digital signals to the plurality of workstations; and  
~~an image-correcting circuit for processing said digital video signals received from said digitizer.~~
3. (Previously Presented) The system according to claim 2, wherein each of said plurality of workstations is of a type comprising at least one keyboard, video monitor and cursor control device, and wherein each of said plurality of workstations is capable of accessing and operating said plurality of remote networking devices through said remote management unit.
4. (Currently Amended) ~~The system according to claim 2;~~ A system for improved video digitization and image correction, said system comprising:
  - a plurality of workstations coupled to a communications medium;
  - a remote management unit coupled to said communications medium, said remote management unit including a video digitizer for converting analog video signals

to digital video signals, said analog video signals received from at least one of a plurality of remote networking devices

the remote management unit including modules for processing and transmitting control signals to and from the plurality of workstations; and

an image correcting circuit for processing said digital video signals received from said digitizer;

wherein said remote management unit controls a power supply for each of said remote networking devices.

5. (Previously Presented) The system according to claim 2, wherein said communications medium is at least one selected from the group consisting of a LAN, a WAN, a wireless connection, a modem, a direct modem connection, and the Internet.
6. (Previously Presented) The system according to claim 2, wherein each of said plurality of remote networking devices is connected to said remote management unit through cabling via a port selected from the group consisting of a serial port, parallel port, keyboard port, video port, cursor control device port, USB port, firewire port, bluetooth port, Ethernet port, and a power supply port.
7. (Previously Presented) The system according to claim 2, wherein said remote management unit controls access by requiring identification data to authenticate a user.
8. (Previously Presented) The system according to claim 2, wherein said remote management unit and said plurality of user workstations communicate via TCP/IP.
9. (Previously Presented) The system according to claim 2, wherein said remote management unit and said plurality of user workstations communicate via the Internet.
10. (Currently Amended) The system according to claim 2, wherein said ~~video digitizer~~ LCD controller includes an analog to digital converter.

11. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes an input interface circuit for detecting a color palette utilized by said remote network device.
12. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes a synchronization selector circuit for receiving horizontal and vertical synchronization signals.
13. (Currently Amended) The system according to claim 12, wherein said ~~image correcting circuit~~ LCD controller includes a mode detection circuit for receiving said synchronization signals from said synchronization selector circuit and for determining a frequency of said synchronization signals.
14. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes an auto-adjustment circuit for performing at least one of active area detection, pixel brightness searching, pixel measurement and phase distortion measurement.
15. (Previously Presented) The system according to claim 14, wherein said auto-adjustment circuit updates timing of a clock during said phase distortion measurement.
16. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes a downscaler circuit for reducing high video resolution to low video resolution.
17. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes an upscaler circuit for increasing low video resolution to high video resolution.
18. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes an option menu circuit for enabling a user to

select one of a plurality of serial devices, remote servers, remote computers or power devices.

19. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller modifies each pixel of said digital video signals according to a color palette.

20. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes a dithering circuit for approximating a color for a pixel of said digital video signals.

21. (Currently Amended) The system according to claim 2, wherein said ~~image correcting circuit~~ LCD controller includes an output interface circuit for adjusting timing of said analog video signals.

22. (Previously Presented) The system according to claim 2, wherein said remote management unit includes a video processor circuit for compressing said digital video signals.

23. (Previously Presented) The system according to claim 22, wherein said video processor circuit includes a pixel receiving circuit for receiving pixel information from said digital video signals.

24. (Previously Presented) The system according to claim 23, wherein said video processor circuit includes a frame buffer circuit for storing said pixel information.

25. (Previously Presented) The system according to claim 22, wherein said video processor circuit includes a video compression circuit.

26. (Currently Amended) The system according to claim 2, wherein said LCD controller ~~processing includes converting~~ converts said digital video signals for compatibility with a video display of one of said plurality of workstations.

27. (Currently Amended) A method for providing improved video digitization and image correction for the transmission of video signals, said method comprising the steps of:

[[a)] receiving analog video signals and control signals from one of a plurality of remote devices connected to a remote management unit;

using an LCD controller to (b) converting convert said analog video signals to digital video signals; ~~(c) correcting and correct~~ said digital video signals; and

[[d)] transmitting said digital video signals and the control signals to one of a plurality of user interface devices.

28. (Previously Presented) The method according to claim 27, wherein said user interface devices are accessible by inputting unique authentication information.

29. (Previously Presented) The method according to claim 27, wherein said method further comprises the step of:

displaying said digital video signals on a video display of one of said user interface devices.

30. (Previously Presented) The method according to claim 27, wherein said method further comprises the step of: compressing said digital video signals prior to said transmitting.

31. (Previously Presented) The method according to claim 30, wherein a compression algorithm is used to perform said compressing.

32. (Previously Presented) The method according to claim 31, wherein said compression algorithm determines noise in said digital video signals, smoothes said digital video signals, determines changes to pixels of said digital video signals, and compresses said changed digital video signals.

33. (Previously Presented) The method according to claim 27, wherein said transmitting occurs via TCP/IP.

34. (Currently Amended) The method according to claim 27, wherein said correcting ~~is performed by an~~ comprises image correction ~~circuit~~.

35. (Currently Amended) The method according to claim 34, wherein said image correction ~~circuit~~ includes ~~an interface circuit for~~ detecting a color palette of said digital video signals.

36. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes receiving horizontal and vertical synchronization signals.

37. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes determining one or more frequencies of said digital video signals.

38. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes detecting an active area of a video image represented by said digital video signals.

39. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes determining brightness of each pixel of said digital video signals.

40. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes measuring phase distortion of said digital video signals.

41. (Currently Amended) The method according to claim 27, wherein said correcting ~~further~~ includes measuring one or more pixels of said digital video signals.

42. (Currently Amended) The method according to claim 27, wherein said correcting further includes reducing high video resolution to low video resolution.

43. (Currently Amended) The method according to claim 27, wherein said correcting further includes increasing low video resolution to high video resolution.

44. (Currently Amended) The method according to claim 27, wherein said correcting further includes dithering said digital video signals.

45. (Currently Amended) The method according to claim 27, wherein said correcting further includes adjusting timing of said digital video signals.

46. (Previously Presented) The method according to claim 27, wherein said method further comprises the step of: storing pixel information of digital video signals.